

Smart-UPS 230V

Advanced line interactive power protection
for servers and network equipment



The world's most popular network and server UPS

The award-winning Smart-UPS® from APC by Schneider Electric is the most popular UPS in the world for servers, storage and networks. Trusted to protect critical data and equipment from power problems, the UPS supplies clean and reliable network-grade power. In addition to legendary reliability and manageability, Smart-UPS have extremely high efficiency at low, medium and high load levels, making them ideal for today's multi-core or virtualized servers that have varying load consumption. Available in a variety of form factors (tower, rack mount, rack/tower convertible), there is a model for every application and budget.

Intelligent and efficient network power protection from entry level to scaleable runtime. Ideal for servers, point-of-sale, routers, switches, hubs and other network devices.

- Reliable
- Intelligent
- Efficient
- Manageable

APC[™]
by Schneider Electric

Smart UPS Tower and Rackmount 750-3000VA

Application optimized standard models
ideal for servers, storage, point of sale
and other network devices



[SMT1000I]



[SMT1500RMI2U]



[SMT3000RMI2U]



Standard Features

High Efficiency Green Mode:

Optimum efficiency which saves utility and cooling costs

Emergency Power Off (EPO):

Provides for remote UPS shutoff in the event of a fire or other emergency (2200VA and above)

Alphanumeric LCD Display:

Intuitive interface provides detailed and accurate information with ability to configure locally.

Network-Grade Power:

Conditioning Extended range automatic voltage regulation (AVR), noise filtering, and surge protection.

Communication Ports Serial:

USB, and Smart-slot for accessory cards.

Advanced Battery Management:

Temperature- compensated charging extends life and advanced algorithms recommend replacement date.

Switched Outlet Group: Reboot hung devices, shed non-critical loads to conserve runtime, sequenced start-up/turn off.

Battery Disconnect: Convenient way to disconnect battery for transport.

Smart UPS® Extended Run 750-3000VA

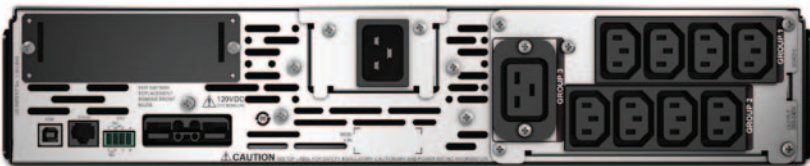
Convertible extended run models ideal for critical servers and voice/data switches.



[SMT3000RM12U]



[SMX1500RM12UNC]



[SMX3000RMHV2U]

Additional Features

Slim 2U Rack/Tower Convertible Form

Display rotates easily for use in or out of a rack.

High Frequency Design

Reduces size of (or eliminates) bulky transformers making installation even easier.

High Voltage Models

(2.2kVA and above)

Configurable output from 200-240 on high voltage models.

Models available with Pre-installed Network Cards

Models with "NC" suffix have pre-installed AP9631 network cards with temperature monitoring.

Smart External Battery Connector

Accept external batteries and increases runtime automatically to increase availability.

Switched Outlet Groups

Reboot hung devices, shed non-critical loads to conserve runtime, sequenced start-up/turn off.

Emergency Power Off (EPO)

Provides for remote UPS shutoff in the event of a fire or other emergency.

Product Accessories

Management Cards

AP9630: UPS Network Management Card

AP9631: UPS Network Management Card with Environmental Monitoring

AP9620: Legacy Communications SmartSlot Card

AP9625: APC SmartUPS Two Post Rail Kit

Battery Packs

SMX48RMBP2U: APC Smart-UPS X-Series 48V

External Battery Pack Rack/Tower

SMX120RMBP2U: APC Smart-UPS X 120V External Battery Pack Rack/Tower

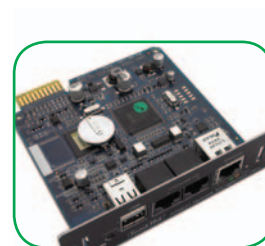
Service Bypass Panels

SBP1500RMI: APC Service Bypass PDU, 230V 10AMP W/ (6) IEC C13

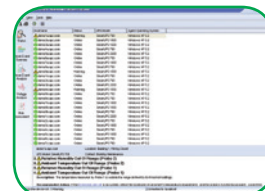
SBP3000: APC Service Bypass Panel- 100-240V; 30A; BBM; Hardwire Input/Output

SBP3000RMHW: APC Service Bypass Panel- 100-240V; 30A; BBM; Hardwire Input/Output

SBP3000RMI: APC Service Bypass PDU, 230V 16AMP W/ (6) IEC C13 AND (1) C19



AP9631



PowerChute™ Business Edition



SBP3000RMI

Runtime Estimates for standard models

UPS VA	750	750 RM 2U	1000	1000 RM 2U	1500	1500 RM 2U	2200	2200 RM 2U	3000	3000 RM 2U
50W	1:43	2:04	3:03	3:26	5:01	5:21	8:51	5:19	8:51	5:47
100W	:50	1:00	1:40	2:02	2:52	3:05	5:36	3:06	5:36	3:22
200W	:22	:23	:45	1:00	1:24	1:31	3:05	1:38	3:05	1:46
300W	:12	:11	:25	:35	:51	:55	2:02	1:04	2:02	1:10
400W	:07	:07	:15	:23	:33	:37	1:28	:47	1:28	:52
500W	:05		:10	:15	:23	:26	1:06	:37	1:06	:40
600W			:07	:11	:17	:19	:52	:30	:52	:33
700W					:12	:14	:42	:25	:42	:27
800W					:10	:11	:34	:21	:34	:23
900W					:08	:09	:28	:18	:28	:20
1000W							:24	:16	:24	:17
1200W							:17	:12	:17	:13
1400W							:13	:10	:13	:11
1600W							:10	:08	:10	:09
Full Load	:05	:06	:06	:09	:07	:07	:07	:05	:06	:03

Extended-run models that accept external battery packs are also available. Go to www.apc.com for estimated runtimes.

Smart-UPS Display

Intuitive, easy to use LCD interface.



Standard Features

LCD Display Screen

Clear, consistent and detailed information in your choice of basic or advanced menus.

Power Status:

- Operating mode and efficiency
- Load VA/Watts/Amps
- Input/Output Voltage and frequency
- Battery capacity and runtime
- Energy meter and more

Control:

- UPS and outlet group settings

Configuration:

- Language
- Power quality setting
- Sensitivity
- Voltage transfer points
- Alarm, delay and threshold settings

Test and diagnostics:

- Initiate battery and runtime calibration tests

Logs:

- See explanation of last ten transfers and faults

About:

- UPS and replacement battery part numbers
- Serial numbers
- Battery install and suggested replacement dates

Quick Status Indicators

Online, on battery, fault and replace battery LEDs for quick status identification.

Escape

Exits to the previous menu or screen.

Return

Used to enter or confirm settings.

Navigation arrows

Allows quick adjustment of settings.

Standard Tower models

Product feature	SMT750I	SMT1000I	SMT1500I	SMT2200I	SMT3000I
Output					
Power Capacity	500 W/750 VA	700 W/1000 VA	1000 W/1500 VA	1980 W/2200 VA	2700 W/3000 VA
Nominal Output Voltage	230 V (also configurable to 220 or 240 V nominal)				
Output Frequency	47 – 53 Hz for 50 Hz nominal; 57 – 63 Hz for 60 Hz nominal				
Wave Form Type	Sine wave				
Output Connections	(6) IEC320 C13	(8) IEC320 C13		(8) IEC320 C13 and (1) IEC320 C19	
		Outlets arranged in two groups of which one is controllable			
Input					
Nominal Input Voltage	230 V				
Input Voltage Range for main operations (Max adjustable range)	160 – 285 V (151 – 302 V)				
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)				
Input Connection	IEC320 C14			IEC -320 C20, Schuko CEE 7 / EU1 - 16P, British BS1363A	
Batteries and Runtime					
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof				
Replacement Battery	RBC48	RBC6	RBC7	RBC55	
Communication and Management					
Interface Ports	Serial (RJ45), USB, and SmartSlot				
Control Panel and audible alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays				
Emergency Power off (EPO)	Optional			Yes	
Physical					
Maximum Height cm (in)	16.1 cm (6.3 in)	21.9 cm (8.6 in)	21.9 cm (8.6 in)	43.5 cm (17.1 in)	
Maximum Width cm (in)	13.8 cm (5.4 in)	17.1 cm (6.7 in)	17.1 cm (6.7 in)	19.7 cm (7.8 in)	
Maximum Depth cm (in)	36.3 cm (14.3 in)	43.9 cm (17.3 in)	43.9 cm (17.3 in)	54.4 cm (21.4 in)	
Net Weight kg (lbs)	13.2 kg (29 lbs)	18.86 kg (42 lbs)	24.1 kg (53 lbs)	48.8 kg (108 lbs)	52.5 kg (116 lbs)
Conformance					
Regulatory	C-tick, CE, EN 50091 -1, EN 50091-2, VDE				
Warranty	3 years electronics, 2 years battery				

Standard Rackmount models

Product feature	SMT750RMI2U	SMT1000RMI2U	SMT1500RMI2U	SMT2200RMI2U	SMT3000RMI2U
Output					
Power Capacity	500 W/750 VA	700 W/1000 VA	1000 W/1500 VA	1980 W/2200 VA	2700 W/3000 VA
Nominal Output Voltage	230 V				
Output Frequency	47 – 53 Hz for 50 Hz nominal; 57 – 63 Hz for 60 Hz nominal				
Wave Form Type	Sine wave				
Output Connections (Note: Outlets arranged in two groups of which one is controllable)	(4) IEC320 C13			(8) IEC320 C13 (1) IEC320 C19	
Input					
Nominal Input Voltage	230 V				
Input Voltage Range for main operations (Max adjustable range)	160 – 286 V (150 – 300 V)				
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)				
Input Connection	IEC320 C14			IEC320 C20	
Batteries and Runtime					
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof				
Replacement Battery	APCRBC123	APCRBC132	APCRBC133	RBC43	
Communication and Management					
Interface Ports	Serial (RJ45), USB, and SmartSlot				
Control Panel and audible alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm, and configurable delays				
Emergency Power off (EPO)	Optional			Yes	
Physical					
Maximum Height (in)	8.9 cm (3.5 in)	8.9 cm (3.5 in)	8.9 cm (3.5 in)	8.6 cm (3.39 in)	8.6 cm (3.39 in)
Maximum Width (in)	43.2 cm (17 in)	43.2 cm (17 in)	43.2 cm (17 in)	48 cm (18.9 in)	48 cm (18.9 in)
Maximum Depth (in)	40.6 cm(16 in)	45.7 cm (18 in)	45.7 cm (18 in)	68.3 cm (26.9 in)	68.3 cm (26.9 in)
Net Weight	17.27 kg (38 lbs)	28.18 kg (62 lbs)	28.64 kg (63 lbs)	42.31 kg (93 lbs)	44.28 kg (97.4 lbs)
Conformance					
Regulatory	C-tick, CE, EN 50091-1, EN 50091-2, GOST, TUV, VDE			C-tick, CE, EN 60950, EN/IEC 62040 -1-1, EN/IEC 62040 -2, GOST, GS Mark, IRAM, VDE, WEEE	
Warranty	3 years electronics, 2 years battery				

Extended Run Rack/Tower Convertible models

Product feature	SMX750I	SMX1000I	SMX1500RMI2U	SMX2200RMHV2U	SMX3000RMHV2U
Output					
Power Capacity	600 W/750 VA	800 W/1000 VA	1200 W/1500 VA	1980 W/2200 VA	2700 W/3000 VA
Nominal Output Voltage	230 V (also configurable to 220 or 240 V nominal)			200/208/220/230/240 V	
Output Frequency	47 – 53 Hz for 50 Hz nominal; 57 – 63 Hz for 60 Hz nominal				
Wave Form Type	Sine wave				
Output Connections (Switched groups)	(8) IEC320 C13 outlets (750 has 1 group, 1000 has 2 groups, 1500 has 3 groups)			(8) IEC320 C13 (1) IEC320 C19 outlets (3 switched outlet groups)	
Input					
Nominal Input Voltage	230 V			200 – 240 V	
Input Voltage Range for main operations (Max adj. range)	160 – 286 V (150 – 300 V)			140 – 280 V	
Input Frequency	50/60 Hz +/-3 Hz (auto sensing)				
Input Connection	IEC320 C14			IEC320 C20	
Batteries and Runtime					
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof				
Typical Backup Time at 1/2 Load (min)	24 min	20 min	14 min	26 min	14 min
Typical Backup Time at Full Load (min)	12 min	8 min	5 min	7 Min	5 min
Replacement Battery	APCRBC116		APCRBC115	APCRBC117	
External Battery Pack	SMX48RMBP2U			SMX120RMBP2U	
Replacement Battery	APCRBC115			APCRBC11B	
Communication and Management					
Interface Ports	Serial (RJ45), USB, and, SmartSlot				
Control Panel and Alarms	Alpha-numeric LCD display with LED status indicators; alarm on battery, distinctive low battery alarm and configurable delays				
Emergency Power off (EPO)	Yes				
Surge Protection and Filtering					
Surge Energy Rating	540 J				
Filtering	Full time multi-pole noise filtering: 0.3% IEEE surge let-through, zero clamping response time, meets UL1449				
Physical					
Maximum Height (in)	8.9 cm (3.5 in) (2U)				
Maximum Width (in)	43.2 cm (17 in)				
Maximum Depth	49 cm (19 in)			66.7 cm (26.26 in)	
Net Weight 20 kg	(48.5 lbs)	22.9 kg (50.3 lbs)	24.8 kg (54.6 lbs)	37.3 kg (82.1 lbs)	
Conformance					
Regulatory	C-tick, CE, EN 50091-1, EN 50091-2, VDE			C-tick, CE, CSA, EN 50091-1, EN 50091-2, FCC Part 15 Class A, GOST, IEC60950, IRAM, UL 1778, VDE	
Warranty	3 years electronics, 2 years battery				